Int i,n, FILE \*file , Struct ogrenci \*s

s = (ogrenci\*)calloc(n, sizeof(ogrenci));

file = fopen("kayitlar.bin", "wb");

file== NULL

“Error!”

I=0, n , 1

Close file

Write ogrNo, derskodu, puan to the file

ogrNo,derskodu,puan/ from user

N

Y

No

YES

CREATE RECORD FILE

Int i,n, FILE \*file , Struct ogrenci \*s

s = (ogrenci\*)calloc(n, sizeof(ogrenci));

file = fopen("kayitlar.bin", "ab");

file==NULL

I=0, n , 1

Close file

Write ogrNo, derskodu, puan to the file

ogrNo,derskodu,puan/ from user

N

Y

No

YES

“Error”

Create index file()

ADD RECORD

YES

CREATE INDEX FILE

FILE \*file ,\*file2 Struct ogrenci \*s

Open record file ‘rb’ mode. open index file ‘w’mode.

p

While(fread (record file))

NO

YES

close index file; close record file;

fprintf(index file, "%d\t%d\n", s1.ogrNo, ftell(file)-12);

Int i,j,tmp,tmp2;

diziyap();

i=0,counter,1

j=i+1,counter,1

ogrNo[i] > ogrNo[j]

Swap ogrNo[i] and ogrNo[j] and their corresponding addresses.

open index file ‘w’mode.

p

i=0,counter,1

fprintf(file2, "%d\t%d\n", ogrNo[i], offset[i]);

fclose(indexfile);

“index file created!”

YES

NO

YES

NO

NO

YES

NO

FILE \*file, Struct ogrenci \*s

Open record file ‘rb’ mode.

p

While(fread (record file))

NO

YES

close record file;

DISPLAY RECORD FILE

printf("| Ogrenci No\tDers Kodu\tNotu |");

printf("| %\*d %\*d %\*d |\n", 7, s1.ogrNo, 12, s1.dersKodu, 12, s1.puan);

FILE \*file, int ogrNo, offset;

Open index file ‘r’ mode.

p

While(fread (index file))

NO

YES

close index file;

DISPLAY INDEX FILE

printf("| Ogrenci No\tOffset |");

printf("| %\*d%\*d |\n", 7, ogrNo, 11, offset);

FILE \*file, Struct ogrenci \*s, int search(from user), int low = 0, high = count-1, mid = (low+high)/2;

Open record file ‘rb’ mode.

p

FIND RECORD

while(low<=high)

I=0, high , 1

N

Y

No

YES

if(ogrNo[mid]<search)

low = mid+1;

if(ogrNo[mid]==search)

NO

fseek(file, offset[mid], SEEK\_SET) fread(&s1, sizeof(ogrenci), 1, file);

printf("| %\*d %\*d %\*d |\n", 7, s1.ogrNo, 12, s1.dersKodu, 12, s1.puan);[printing th first search result]

(search == ogrNo[i])&& mid != i

YES

fseek(file, offset[i], SEEK\_SET); fread(&s1, sizeof(ogrenci), 1, file);

printf("| %\*d %\*d %\*d |\n", 7, s1.ogrNo, 12, s1.dersKodu, 12, s1.puan);

YES

Break;

YES

high = mid-1;mid=(low+high)/2;

low>high

“OGRENCI BULUNAMADI!”

YES

fclose(file);

NO

NO